

In the Specification:

Please cancel the replacement paragraph [0039] on page 6 of the specification that was added in the Amendment of December 2, 2003. Please replace paragraph [0039] on page 6 of the specification with the following replacement paragraph, marked to show the changes made.

The medium 15 includes porous matrix, and the porous matrix includes a support and a stationery phase. The support includes[[_]]a metal organic, or metalorganic, polymer, such as a photopolymer, wherein the term metal organic, or metalorganic, refers to a material that comprises an organic ligand attached to a metal atom or a metalloid atom, and the stationary phase includes a bonded phase. (See Brinker, C. Jeffrey, et al., Sol-Gel Science, The Physics and Chemistry of Sol-Gel Processing, p. 2 (1990).) A precursor of the polymer may be a metal alkoxide, such as a silane wherein the term metal alkoxide refers to a metal organic, or metalorganic, material, that has a metal-oxygen-carbon linkage or metalloid-oxygen-carbon linkage. (Id.) Herein, where "metal" is used in connection with a metal organic, or metalorganic, material, or in connection with a metal alkoxide, it encompasses metals and metalloids. The metal or metalloid may be aluminum, barium, antimony, calcium, chromium, copper, erbium, germanium, iron, lead, lithium, phosphorus, potassium, silicon, tantalum, tin, titanium, vanadium, zinc, or zirconium. The precursor may include a photoactive group, such as methacrylate. In one embodiment, the precursor may be trimethoxysilypropyl methacrylate, also known as methacryloxypropyltrimethoxy silane.